

REMARKS

This is in response to the Office action dated January 20, 2011. New dependent claims 16-21 are added, highlighting various aspects of the disclosed invention. No new matter is introduced by this Amendment. Claims 3-21 are pending in the application.

Prior art rejection

Claims 3-15 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Hamciuc or Hamciuc-2, each in combination with Korshak. Office Action, pages 2-6. The rejection is respectfully traversed.

As demonstrated in Table 4 of Applicants' specification, the polyimides provided by Applicants' invention emit intense fluorescence, and thin films formed from the inventive polyimides emit *white* light.

In contrast, the film of Hamciuc-2 shows *blue* fluorescence with a maximum in the range of 415 to 425 nm.

Thus, the presently claimed polyimide has a significantly different fluorescent property than does the polyimide of Hamciuc-2.

Neither Hamciuc nor Korshak, nor any combination thereof, teaches or suggests how a person of ordinary skill in the art could manufacture a polyimide which emits intense fluorescence and which provides a thin film that emits *white* light. Accordingly, Applicants' invention as a whole is not obvious from the Hamciuc and Korshak disclosures.

Claims 9-13 separately patentable

Claims 9-13 herein all require charge carrier transporting films. The Office Action contends at the top of page 4 that "Hamciuc-2 teaches fluorescent film with maximum fluorescent range of 415-425 nm." However, what Hamciuc-2 actually teaches is that "These polymers showed blue fluorescence in solution and films, with a maximum in the range of 415-

425 nm.” This disclosure does not constitute a teaching of a “charge carrier transporting film,” and accordingly the rejection of claims 9-13 is manifestly unsustainable.

Claims 18-21 separately patentable

As previously discussed, even the combinations of references proposed by the Examiner do not disclose all of the features (that is, structures and properties) of Applicants’ polyimides. Claims 18-21, which are based upon specific examples in Applicants’ disclosure, contain tertiary butyl groups on the phenyl substituents. This constitutes yet another distinction between Applicants’ invention and the prior art.

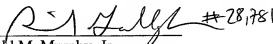
Applicants respectfully submit that the inventive polyimide precursor and polyimide have not been shown to be unpatentable. Withdrawal of the rejections of record and passage of this application to Issue are earnestly solicited.

CONTACT INFORMATION

Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact Richard Gallagher (Registration No. 28,781) at (703) 205-8008.

Dated: April 8, 2011

Respectfully submitted,

By  #28,781
Gerald M. Murphy, Jr.
Registration No.: 28,977
BIRCH, STEWART, KOLASCH & BIRCH, LLP
8110 Gatehouse Road
Falls Church, Virginia
(703) 205-8000
Attorney for Applicant